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Erratum: Radiatively-driven natural supersymmetry at the LHC

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The electroweak cross sections for the production of two unlike electroweak-inos (such as $\widetilde{W}_1^+\widetilde{W}_1^-$, $\widetilde{W}_1\widetilde{Z}_j$ or $\widetilde{Z}_1\widetilde{Z}_2$ production) shown in figure 4 and figure 5 are too large by a factor 2. The cross-sections for the production of identical -ino pairs such as $\widetilde{Z}_2\widetilde{Z}_2$ are correct. This error does not propagate into any of the other figures in the paper. Corrected figures are found below.

We thank Baris Altunkaynak for bringing the error to our notice.

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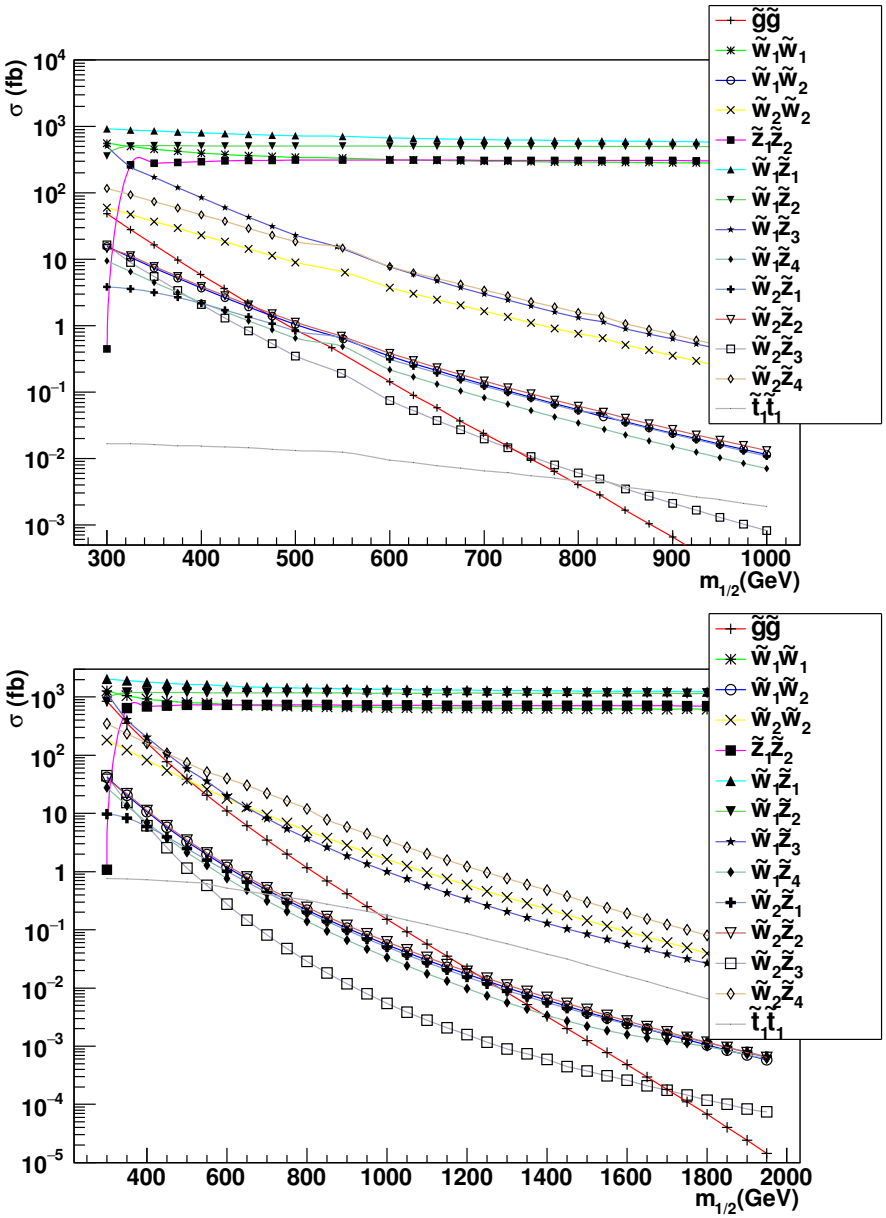

Figure 4. Plot of various NLO sparticle pair production cross sections versus $m_{1/2}$ along the RNS model line for pp collisions at $a)$ $\sqrt{s} = 8\,\text{TeV}$ and $b)$ $\sqrt{s} = 14\,\text{TeV}$.

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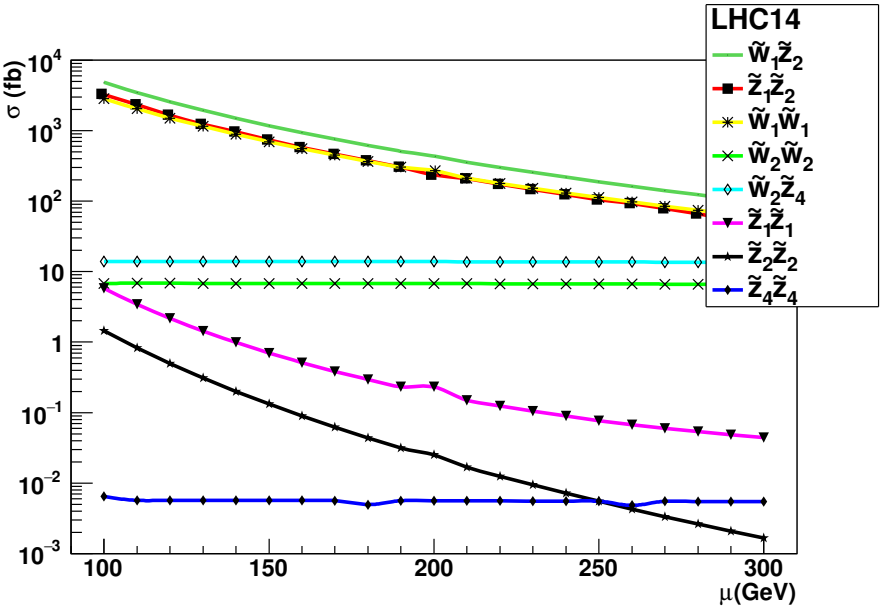

Figure 5. Plot of various NLO electroweak-ino pair production cross sections versus μ for the RNS model line with $m_{1/2} = 750\,\text{GeV}$ for pp collisions at 14 TeV.

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